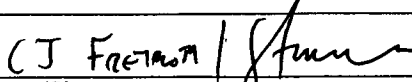


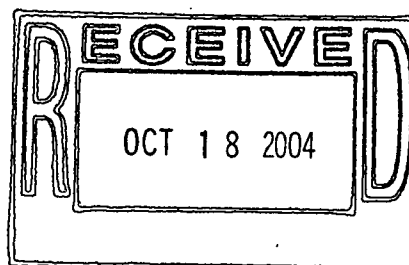
Type 1 Facility Closeout Report

Section A. Facility Data	
Facility No.	223
Facility Descriptor:	Nitrogen Plant
Project:	RISS
Date of Demolition:	05/11/04
Additional Information:	Attached
<i>(Must include information on environmental releases and conditions of site at turnover to Environmental Restoration)</i>	

Section B. Final Characterization Data	
Reconnaissance Level Characterization Report <i>(concurrence received)</i>	
	01/10/03 Area 3, Group 1 C IA-001243
In-process Characterization	N/A
Pre-Demolition Survey Report <i>(approval received)</i>	RLC functioned as PDS R IA-001246 10-7-02
Post-Demolition Survey Report <i>(as necessary)</i>	N/A

Section C. Waste Data (complete categories as appropriate)	
Sanitary Disposal	
Disposal Site:	BFI Foothills Landfill, Golden CO
Waste Volume (m ³):	2029
Waste Weight (tons):	1360.84
Additional Information:	Waste includes perlite from cooling tower
Hazardous Disposal	
Disposal Site:	Kettleman Hills Facility, Kettleman City, CA or Bethlehem Apparatus Co., Hellertown, PA.
Waste Volume (m ³):	N/A
Additional Information:	Circuit boards, fluorescent lamps, Hg switches, etc. were moved to a RFCA Temporary Unit and combined with like waste streams for disposal.
TSCA Waste Disposal (other than ACM)	
Disposal Site:	N/A
Waste Volume (m ³):	<1
Additional Information:	PCB ballasts were sent to the landfill as PCB Bulk Product Waste commingled with building debris.
Asbestos Waste Disposal	
Disposal Site:	N/A
Waste Volume (m ³):	N/A
Additional Information:	N/A
Low-Level Waste Disposal	
Disposal Site:	N/A
Additional Information:	N/A
Low-Level Mixed Waste Disposal	
Disposal Site:	N/A
Additional Information:	N/A
Recycled Material	
Additional Information:	99.3 Tons of metal sent to Iron and Metals recycle, Inc.
Property Disposition	
Receiver Locations <i>(major items only)</i> :	CCH Equipment Company, Dallas TX (Tanks 233 and 234)
Additional Information:	T233 & T234

Section D. Approvals	
Kaiser-Hill Project Manager	10/13/04
 Name/Signature	Date



ADMIN RECORD
IA-A-002370

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Additional Facility Information

Building 223 was a 3500 sq. ft. Nitrogen Plant constructed in 1991. This facility was a steel frame building built on a concrete foundation. The walls and the roof were corrugated metal sheets mounted to a steel frame. The facility included two large purification tanks (Tanks 233 and 234) on the north side of the building, and a cooling tower on the west side of the building. Building 223 was located near PAC 300-156.1 "Building 371 Parking lot," which received a No Further Action (NFA) approval in 2001.

Building 223 housed the equipment for separating nitrogen from ambient air. Filtered air was compressed and purified in a heat exchanger. It was then passed through a distillation chamber where nitrogen was separated from the oxygen based on the differences in their liquefaction temperatures. The nitrogen was then piped throughout the plant. Excess nitrogen was liquefied and stored for future use. Building 223 had the following utilities; water, sanitary, electric, gas, steam heat, and an overhead sprinkler system.

The entire facility (structure, tanks, and slab) was removed during D&D activities, and sent offsite for disposal at the BFI Foothills Landfill in Golden, CO or recycle at Iron and Metals Recycle, Inc. in Denver, CO. Prior to D&D, Tanks 233 and 234 were removed and relinquished to the CCH Corporation of Dallas, TX through the RFETS property management system. The cooling tower contained approximately 150 cubic yards of perlite that was removed during an effort separate from the primary facility demolition, and sent offsite for disposal at the BFI Foothills Landfill in Golden, CO.

All overhead utilities (steam and natural gas) were completely removed from the B223 area under a site-wide effort that will be documented in a separate close out report. Water and sewer lines were removed to the disconnect point indicated on the attached map. The underground electrical service was disconnected at the building and all wires removed from the conduit. The conduit line remains at a depth greater than 3 feet below grade as indicated on the attached map. There is no expected contamination remaining for ER activities. The only additional work at this site will be to establish the final site grade.

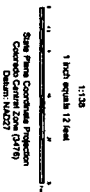
Rocky Flats Environmental Technology Site
223 Location Map

Map Features

- ☐ Buildings Remaining
- ☐ D&D Facility
- ☐ Paved Roads
- ☐ Dirt Roads
- ☐ Lakes
- ☐ Streams
- ☐ Fence Removed
- ☐ Fence Remaining
- ☐ Railroad Removed
- ☐ Railroad Remaining

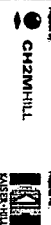
Domestic Water
 Disconnect

Sanitary
 Disconnect



U.S. Department of Energy
 Rocky Flats Environmental Technology Site

Prepared by:
CH2M HILL



None (recreate)

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